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Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (currently amended): A vertical alignment mode liquid crystal display apparatus comprising:

a pair of substrates opposing each other with at least one electrode provided on one or both of the substrates comprising the pair of substrates and one side of each of the pair of substrates is subjected to a vertical alignment treatment;

a liquid crystal layer interposed between the pair of substrates, the liquid crystal layer containing non-twisted or non-bended liquid crystal molecules having a negative dielectric anisotropy, the at least one electrode being used for applying an electric field across the liquid crystal layer; and

at least one volume excluding member provided on all or a portion of only one side edge of one or more of said at least one electrode on one or both of said substrates, such that an opposite side edge or a portion thereof that is opposite to said portion of only one side edge of said one or more at least one electrode is without said at least one volume excluding member,

wherein:

at an initial state, at which no voltage is applied to one or more of said at least one electrode, the liquid crystal molecules retain a substantially perfectly vertical alignment; and

at a second state, at which voltage is applied, a distal end of the liquid crystal molecules is tilted in a uniform direction about a proximal end of the liquid crystal molecules away from the at least one volume excluding member to the opposite side edge of said one or more at least one electrode,

wherein the proximal end of the liquid crystal molecules is that end which is closer to the at least one volume excluding member, and

wherein the at least one volume excluding member is formed of a photosensitive resin.

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Claim 2 (original): A liquid crystal display apparatus according to claim 1, wherein the volume excluding member comprises at least one of a protrusion and a concave stepped portion.

Claim 3-6 (canceled)

Claim 7 (currently amended): A vertical alignment mode liquid crystal display apparatus comprising:

a pair of substrates opposing each other with at least one electrode provided on one or both of the substrates comprising the pair of substrates and one side of each of the pair of substrates is subjected to a vertical alignment treatment;

a liquid crystal layer interposed between the pair of substrates, the liquid crystal layer containing non-twisted or non-bended liquid crystal molecules, the at least one electrode being used for applying an electric field across the liquid crystal layer; and

at least one volume excluding member provided on all or a portion of only one side edge of one or more of said at least one electrode on one or both of said substrates, such that an opposite side edge of a portion thereof that is opposite to said portion of only one side edge of said one or more at least one electrode is without said at least one volume excluding member,

wherein:

the liquid crystal layer includes at least one pixel portion and a non-pixel portion, the at least one pixel portion corresponding to the at least one electrode; and

at an initial state, at which no voltage is applied to one or more of said at least one electrode, the liquid crystal molecules in the at least one pixel portion are oriented in a substantially perfectly vertical alignment and the liquid crystal molecules in the non-pixel portion are oriented in a uniaxial horizontal alignment, and

when voltage is applied to the at least one electrode, the liquid crystal molecules in the at least one pixel portion are also oriented in a substantially uniaxially horizontal alignment, and wherein the at least one volume excluding member is formed of a photosensitive resin.

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Claim 8 (original): A liquid crystal display apparatus according to claim 7, wherein the liquid crystal molecules in the at least one pixel portion are oriented in a horizontal alignment so as to be tilted in a uniform direction when a voltage is applied to the at least one electrode.

Claim 9 (canceled)

Claim 10 (previously presented): A liquid crystal display apparatus according to claim 8, wherein the volume excluding member comprises at least one of a protrusion and a concave stepped portion.

Claim 11 (original): A liquid crystal display apparatus according to claim 8, wherein a side of the at least one of the pair of substrates facing the liquid crystal layer is subjected to a rubbing treatment.

Claim 12 (original): A liquid crystal display apparatus according to claim 8, wherein the at least one electrode comprise a comb electrode.

Claim 13 (original): A liquid crystal display apparatus according to claim 7, wherein the liquid crystal molecules in the non-pixel portion are oriented in a uniaxial horizontal alignment by at least one method selected from the group consisting of:

- subjecting a horizontal alignment film to a rubbing treatment;
- subjecting a vertical alignment film to a selective chemical modification treatment followed by a rubbing treatment;
- subjecting a vertical alignment film to a selective irradiation of ultraviolet rays followed by a rubbing treatment; and
- subjecting a vertical alignment film to an irradiation of selectively polarized ultraviolet rays.

Claim 14 (original): A liquid crystal display apparatus according to claim 8, wherein a direction of the horizontal alignment of the liquid crystal molecules in the at least one pixel portion is

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substantially identical to a direction of uniaxial horizontal alignment of the liquid crystal molecules in the non-pixel portion.

Claim 15 (currently amended): A vertical alignment mode liquid crystal display apparatus comprising:

- a pair of substrates opposing each other;
- a liquid crystal layer interposed between the pair of substrates, the liquid crystal layer containing liquid crystal molecules having a negative dielectric anisotropy;
- at least one electrode provided on each of the pair of substrates, the at least one electrode being used for applying an electric field across the liquid crystal layer; and
- at least one volume excluding member,

wherein:

- one of the at least one volume excluding member is provided on the at least one electrode on at least one of the pair of substrates, the at least one volume excluding member being provided so as to be on at least a portion of only one side edge of the at least one electrode, such that a portion of an opposite side edge of said one or more at least one electrode that is opposite to said at least a portion of only one side edge is without said at least one volume excluding member;
- a side of each of the pair of substrates facing the liquid crystal layer is subjected to a vertical alignment treatment; and
- a distal end of the liquid crystal molecules is tilted about a proximal end of the liquid crystal molecules in a uniform direction from the at least one volume excluding member to the opposite side edge of said at least one electrode when a voltage is applied to the at least one electrode,

wherein the proximal end of the liquid crystal molecules is that end which is closer to the at least one volume excluding member, and

wherein the at least one volume excluding member is formed of a photosensitive resin.

Claim 16 (canceled)

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Claim 17 (currently amended): A vertical alignment mode liquid crystal display apparatus comprising:

a pair of substrates opposing each other;

a liquid crystal layer interposed between the pair of substrates, the liquid crystal layer containing liquid crystal molecules;

at least one electrode provided on at least one of the pair of substrates, the at least one electrode being used for applying an electric field across the liquid crystal layer; and

at least one volume excluding member provided on all or a portion of only one side edge of one or more of said at least one electrode on one or both of said substrates, such that an opposite side edge or a portion thereof that is opposite to said portion of only one side edge of said one or more at least one electrode is without said at least one volume excluding member,

wherein:

the liquid crystal layer includes at least one pixel portion and a non-pixel portion, the at least one pixel portion corresponding to the at least one electrode; and

when voltage is not applied to the at least one electrode, the liquid crystal molecules in the at least one pixel portion are oriented in a vertical alignment and the liquid crystal molecules in the non-pixel portion are oriented in a uniaxial horizontal alignment; and

when voltage is applied to the at least one electrode, the liquid crystal molecules in the at least one pixel portion are also oriented in a substantially uniaxially horizontal alignment, and wherein the at least one volume excluding member is formed of a photosensitive resin.

Claim 18 (new): A liquid crystal display apparatus according to claim 1,

wherein the only one side edge of one or more of said at least one electrode and the opposite side edge thereof constitute an opposing pair of side edges of said at least one electrode; and

the at least one volume excluding member provided on the portion of only one side edge includes a plurality of volume excluding members, each volume excluding member being disposed on said portion of each side edge of the opposing pair of side edges, such that the plurality of volume excluding members on each electrode do not oppose each other.

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Claim 19 (new): A liquid crystal display apparatus according to claim 7,

wherein the only one side edge of one or more of said at least one electrode and the opposite side edge thereof constitute an opposing pair of side edges of said at least one electrode;
and

the at least one volume excluding member provided on the portion of only one side edge includes a plurality of volume excluding members, each volume excluding member being disposed on said portion of each side edge of the opposing pair of side edges, such that the plurality of volume excluding members on each electrode do not oppose each other.